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July, 1975, Survey of New-Protocol TELNET Servers

In the nearly five months since the last report several new server sites have joined the network and there has been some significant progress in New-Protocol implementation. Perhaps the New-Protocol implementation on the TIPs scheduled for the end of the year will encourage further progress in the near future.

There have been numerous changes since the last list (numbers in octal):

SRI-ARC (2) is no longer a server host;
MIT-AI (206), MIT-ML (306), LONDON (52), and OFFICE-1 (53) have added New-Protocol servers;
LLL-RISOS (25), SDAC-44 (32), and ARPA-DMS (34) have joined the network;
SCI-TENEX (55), RUTGERS-10 (56), USC-ISIC (364), and SUMEX-AIM (70) have joined the network with New-Protocol servers.

The following is the latest version* of the summary and tabulation of server-host TELNET servers.

total server hosts	43	100%
no New-Prot server	16	37%
unknown status (new host)	2	5%
total New-Prot implem.	25	58%
New-Prot on socket 27, Old on socket 1 (2)	13	30%
New-Prot on 1 and 27 (3)	8	19%
New-Prot on 1 only (3)	4	9%

Notes:

* All data in this report were gathered via a surveying program run at various times, plus a few manual checks to fill out the list. What is reported here is the way the various servers work as seen by the New-Protocol User TELNET at BBNA, as of 10 July 1975.

(2) These are the sites whose operation is 100% correct according to all protocols and conventions, as I understand them.

(3) We realize that some of the servers that appear here as New-Protocol servers on socket 1 are actually servers which attempt to communicate with both Old- and New-protocol User TELNETs according to what control sequences are received.

bad guys

Tabulation of server status for all server sites:

Host Number (Oct)	Host Number (Dec)	Host Name	Socket 1	Socket 27	New-Prot. Options Implemented (if any)
101	65	UCLA-CCN	Old	X	
201	129	UCLA-CCBS	Old	X	
102	66	SRI-AI	Old	New	I1,3,6; O3
3	3	UCSB-MOD75	Old	X	
4	4	UTAH-10	Old	X	
305	197	BBN-TENEXA	Old	New	I1,3,6; O3
106	70	MIT-DMS	New	New	I1,3; O3
206	134	MIT-AI	New	X	I1,3; O3
306	198	MIT-ML	New	X	I1,3; O3
7	7	RAND-RCC	Old	X	
107	71	RAND-ISD	?	?	
10	8	SDC-LAB	Old	X	
11	9	HARV-10	New	X	I1,3; O3
12	10	LL-67	New	X	None
112	74	LL-TX-2	Old	X	
13	11	SU-AI	New*	New*	I1,3
16	14	CMU-10B	New	New	I1,3; O3
116	78	CMU-10A	New	New	I1,3; O3
17	15	I4-TENEX	Old	X	
217	143	I4B-TENEX	Old	X	
20	16	AMES-67	New	New	None
25	21	LLL-RISOS	Old	Old	
126	86	USC-ISI	Old	New	I1,3,6; O3
226	150	USC-ISIB	Old	New	I1,3,6; O3
27	23	USC-44	Old	X	
327	215	USC-ECL	Old	X	
32	26	SDAC-44	Old	X	
34	28	ARPA-DMS	Old	X	
37	31	CCA-TENEX	Old	X	
40	32	PARC-MAXC	Old	New	I1,3,6; O3
43	35	UCSD-CC	Old	New	I0(!),3; O0,3
344	228	HAWAII-500	Old	X	
52	42	LONDON	New	New	None
53	43	OFFICE-1	Old	New	I1,3,6; O3
54	44	MIT-MULTICS	New	New	None
55	45	SCI-TENEX	Old	New	I1,3,6; O3
56	46	RUTGERS-10	New	New	I1,3; O3
61	49	BBN-TENEXB	Old	New	I1,3,6; O3
361	241	BBN-TENEX	Old	New	I1,3,6; O3
162	114	BBN-TENEXD	Old	New	I1,3,6; O3
364	244	USC-ISIC	Old	New	I1,3,6; O3
67	55	ANL	?	?	
70	56	SUMEX-AIM	Old	New	I1,3,6; O3

Key: X No server at this socket
? Status not ascertained--unable to connect to host
I# Option # implemented incoming to user (Server says "Will #")
O# Option # implemented outgoing from user (Server says "Do #")
(# is option number in New Protocol. Options in tabulation:
0 Transmit-Binary 1 Echo
3 Suppress-Go-Ahead 6 Timing-Mark)

Note: * These servers return improper responses to some TELNET option requests.